

CLAIMS

1. A disk device with a disk arranged inside a frame body, wherein

a cover is placed on the frame body, a gap is formed between a rim of the cover and the frame body, and

the gap is shielded by a sheet having an adhesive portion.

2. A disk device as set forth in Claim 1, wherein a plane area of the cover is formed to be smaller than a plane area of the frame body.

3. A disk device as set forth in Claim 1, wherein the rim of the cover and a part of the frame body forming the gap therebetween are arranged on an identical plane.

4. A disk device as set forth in Claim 1, wherein the sheet includes a hole for exposing therethrough a part of the cover other than the rim.

5. A disk device as set forth in Claim 1, wherein the disk device is formed such that a thickness of a peripheral portion thereof is thinner than a thickness of a central portion thereof,

the cover is formed such that a center thereof is swollen to form a thick central portion of the disk device, and

the hole of the sheet is formed for passing therethrough.

the central swollen portion of the cover.

6. A disk device as set forth in Claim 4, wherein component members of the disk device are arranged in a portion of the hole of the sheet.

7. A disk device as set forth in Claim 5, wherein a printed circuit board is provided in the thick central portion.

8. A disk device as set forth in Claim 1, wherein said disk device is a hard disk drive.

9. A disk device as set forth in Claim 1, wherein said disk device is a magnetic hard disk drive.

10. A disk device as set forth in Claim 9, wherein said disk device is a magnetic hard disk drive in compliance with PCMCIA Type II standards.

11. A disk device which is formed such that a thickness of a peripheral portion thereof is thinner than a thickness of a central portion thereof, and provided with an interface connector at an end portion thereof, in compliance with PCMCIA Type II standards, wherein

the thick central portion is provided with a printed circuit board, and

the interface connector is provided with horn-shaped

connecting portions to the printed circuit board, said connecting portions being formed to protrude to reach the thick central portion.

12. A disk device as set forth in Claim 11, wherein a frame body is provided, and the interface connector is screwed onto this frame body.

13. A disk device as set forth in Claim 11, wherein a surface of the printed circuit board for mounting electric components thereon is a surface on the frame body side.

14. A disk device as set forth in Claim 11, wherein said disk device is a magnetic hard disk drive.

15. A disk device with a disk arranged inside a frame body, wherein

a peripheral portion of the disk device is formed to be thinner in thickness than a central portion thereof,

a printed circuit board is provided in the thick central portion, and

a surface of the printed circuit board for mounting electric components thereon is a surface on the frame body side.

16. A disk device as set forth in Claim 15, wherein said disk device is a magnetic hard disk drive.

17. A disk device with a disk arranged inside a frame body, wherein

said disk device includes an actuator for driving a head for recording and reproducing information on and from the disk,

said actuator is composed of a voice coil motor comprising a pair of yokes opposed to each other with a predetermined distance therebetween, a movable coil wound to be movable between the yokes, and a permanent magnet attached to at least one of the yokes to add a magnetic field to the movable coil, and

one of the yokes forms a part of an outer wall of the frame body, in place of the frame body.

18. A disk device as set forth in Claim 17, wherein the yoke forming, in place of the frame body, a part of the outer wall of the frame body is attached to the frame body from an open surface side of the frame body.

19. A disk device as set forth in Claim 17, wherein

screwing margins for attaching the yoke for forming, in place of the frame body, a part of the outer wall of the frame body are provided inside the frame body, and

the yoke is attached to the frame body by means of screws from an open surface side of the frame body.

20. A disk device as set forth in Claim 19, wherein concave portions are formed on the yoke for embedding therein head

portions of the screws.

21. A disk device as set forth in Claim 20, wherein electric components are arranged in a space created by embedding the head portions of the screws.

22. A disk device as set forth in Claim 17, wherein the yoke forming, in place of the frame body, a part of the outer wall of the frame body is formed to be thin except at a part corresponding to a central portion of the permanent magnet.

23. A disk device as set forth in Claim 17, wherein
a gap is formed between the frame body and a rim of the yoke forming, in place of the frame body, a part of the outer wall of the frame body, and
the gap is shielded by a sheet having an adhesive portion.

24. A disk device as set forth in Claim 23, wherein
the sheet has a hole, and
a part of the yoke forming, in place of the frame body, a part of the outer wall of the frame body penetrates through the hole.

25. A disk device as set forth in Claim 22, wherein the part of the yoke corresponding to the central portion of the permanent magnet is formed by a member different from that forming the other part, and is attached to the other part.

26. A disk device as set forth in Claim 22, wherein electric components are arranged in a space created by the thinly formed part of the yoke.

27. A disk device as set forth in Claim 23, wherein said disk device is a hard disk drive.

28. A disk device as set forth in Claim 17, wherein said disk device is a magnetic hard disk drive.

29. A disk device with a disk arranged inside a frame body, wherein

said disk device includes an actuator for driving a head for recording and reproducing information on and from the disk,

said actuator is composed of a voice coil motor comprising a pair of yokes opposed to each other with a predetermined distance therebetween, a coil wound to be movable between the yokes, and a permanent magnet attached to at least one of the yokes to add a magnetic field to the movable coil, and

each of the yoke is formed to be thick at a part corresponding to a section between two poles of the permanent magnet and a vicinity thereof, and is formed, at the other part, to be thinner than said thick part.

30. A disk device as set forth in Claim 29, wherein said disk device is a magnet hard disk drive.